

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi KAYAKIRI, et al.

SERIAL NO: 10/047,093

GAU: 1625

FILED: January 17, 2002

EXAMINER: B. Dentz

FOR: SULFONAMIDE COMPOUNDS AND PHARMACEUTICAL USE THEREOF

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449 and cited in the attached Supplementary Partial European Search Report. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. **In accordance with discussions on August 4, 2004 with Mr. Nicholas P. Godici, Commissioner for Patents, it is no longer required to submit copies of cited pending applications. A modification of the Rules will be published soon in the Official Gazette.** Cited issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

217318US0DIV

SERIAL NO.

10/047,093

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Hiroshi KAYAKIRI, et al.

FILING DATE

January 17, 2002

GROUP

1625

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	0 476 935	3/25/92	EP		
	AP	WO 98/08818	3/5/98	WIPO		
	AQ	WO 97/44321	11/27/97	WIPO		
	AR					
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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FAX +31 70 340 3016

Europäisches  
Patentamt

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

European  
Patent Office

Branch at  
The Hague  
Search  
division

Office européen  
des brevets

Département à  
La Haye  
Division de la  
recherche

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Inter

Frist:

12.1.05

Vorfrist

Datum/Date

12.07.04

Zeichen/Ref./Réf.

T 60 827 - mai

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°

98929715.5-2101-JP9802877

Anmelder/Applicant/Demandeur/Patentinhaber/Propriétaire/Titulaire

FUJISAWA PHARMACEUTICAL CO., LTD.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent  
Office

# SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 98 92 9715 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.8)
X	EP 0 476 935 A (LILLY INDUSTRIES LTD) 25 March 1992 (1992-03-25) * page 5, line 22 - line 31; examples 34,35 *	1,13,14	C07D215/48 C07D231/56 C07D235/26 C07D239/96 C07D241/52 C07D249/18 C07D307/79 C07D333/56 C07D333/54 C07D405/12 C07D409/12 C07D471/04 A61K31/437 A61K31/47 A61K31/34 A61K31/38 A61K31/415 A61K31/495
P,X	WO 98/08818 A (GENETICS INST) 5 March 1998 (1998-03-05) * claims 1,14; examples 84,85 *	1,12	
P,X	WO 97/44321 A (GOULET MARK ; JIANG JINLONG (US); SMITH ROY G (US); ALLEN ERIC E (US);) 27 November 1997 (1997-11-27) * claims 1,19; example 3D *	1,12	
			TECHNICAL FIELDS SEARCHED (Int. CL.8)
			C07D A61K
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
<b>INCOMPLETE SEARCH</b>			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search in to the state of the art cannot be carried out, or can only be carried out partially, for the following claims:			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search <b>The Hague</b>		Date of completion of the search <b>1 July 2004</b>	Examiner <b>Alfaro Faus, I</b>
<b>CATEGORY OF CITED DOCUMENTS</b>		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			



## PARTIAL EUROPEAN SEARCH REPORT

**Application Number**

EP 98 92 9715

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. CLS)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
			A61K31/505
			TECHNICAL FIELDS SEARCHED (Int. CLS)



European Patent  
Office

**INCOMPLETE SEARCH  
SHEET C**

Application Number  
**EP 98 92 9715**

Although claim 13 IS directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compounds.

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# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 92 9715

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

01-07-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0476935	A	25-03-1992	AT 125530 T	15-08-1995
			CA 2051460 A1	19-03-1992
			DE 69111541 D1	31-08-1995
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